In the first sentence of the third paragraph under this heading, please replace the reference to (Figure 3.7.2-2, Existing Zoning Districts) with the following:

(Figure R3.7.2-2, Existing Zoning Districts)

Page 3.7.3 Please insert the following sentence after the last paragraph under this heading:

The Campus is composed of a combination of parcels owned by Memorial Health Services (MHS) and LBMMC (Figure R3.7.2-3, Long Beach Memorial Medical Center Parcels).

# Adjacent Land Uses and Land Use Compatibility

Page 3.7-3 The northeastern boundary of the Campus and the location of central plant building were revised in Figure 3.7.2-3 and replaced by Figure R3.7.2-4.

In the first sentence of the first paragraph under this heading, please replace the reference to (Figure 3.7.2-3, *Immediate Vicinity of the Long Beach Memorial Medical Center*) with the following:

(Figure R3.7.2-4, Immediate Vicinity of the Long Beach Memorial Medical Center)

### 3.7.4 Impact Analysis

Page 3.7-4 In the first sentence of the second paragraph under this heading, please replace the reference to (Figure 3.7.2-1) with the following:

(Figure R3.7.2-1)

#### City of Long Beach Municipal Code

Page 3.7-7 The northeastern boundary of the Campus was revised in Figure 3.7.4-1 and replaced by Figure R3.7.4-1.

In the fifth sentence of the sixth paragraph under this heading, please replace the reference to (Figure 3.7.4-1, *Proposed Zoning Districts*) with the following:

(Figure R3.7.4-1, Proposed Zoning Districts)

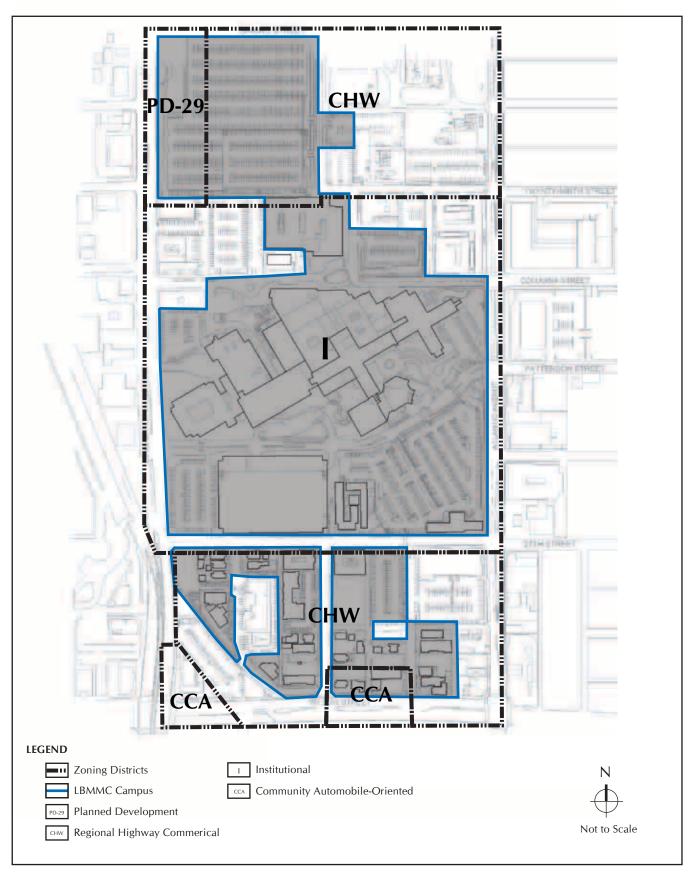
#### 3.8 NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM

#### 3.8.6 Mitigation Measure

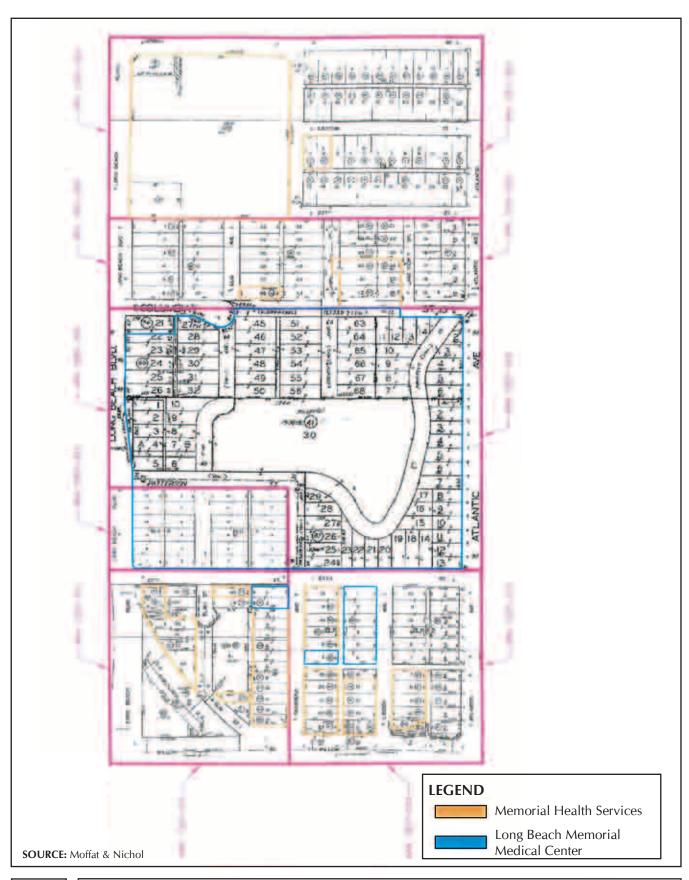
Page 3.8.7 Please replace mitigation measure NPDES-1 under this heading with the following:

#### **Measure NPDES-1**

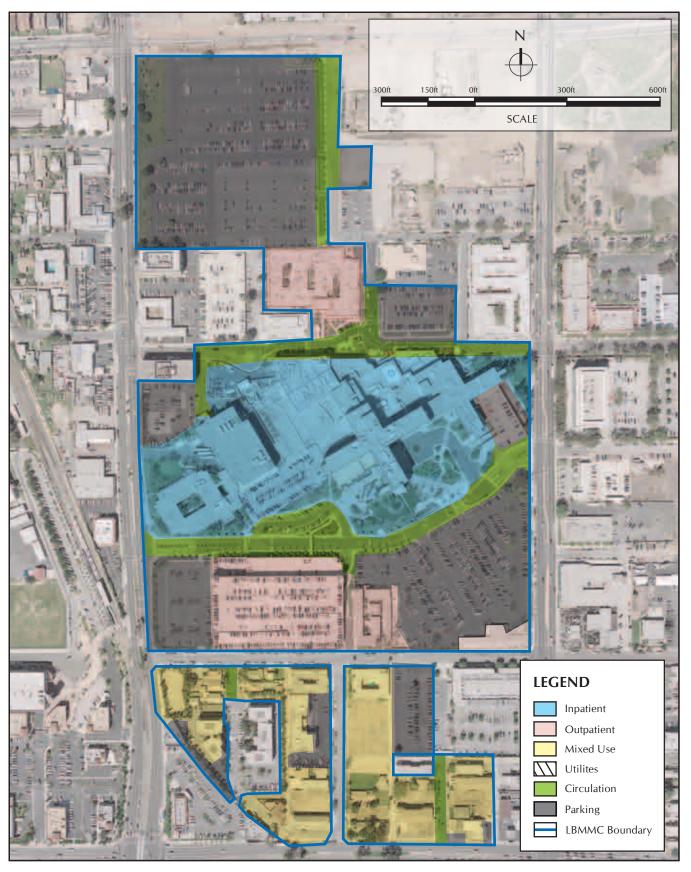
The City of Long Beach Planning and Building Department shall require the construction contractor to implement best management practices (BMPs)



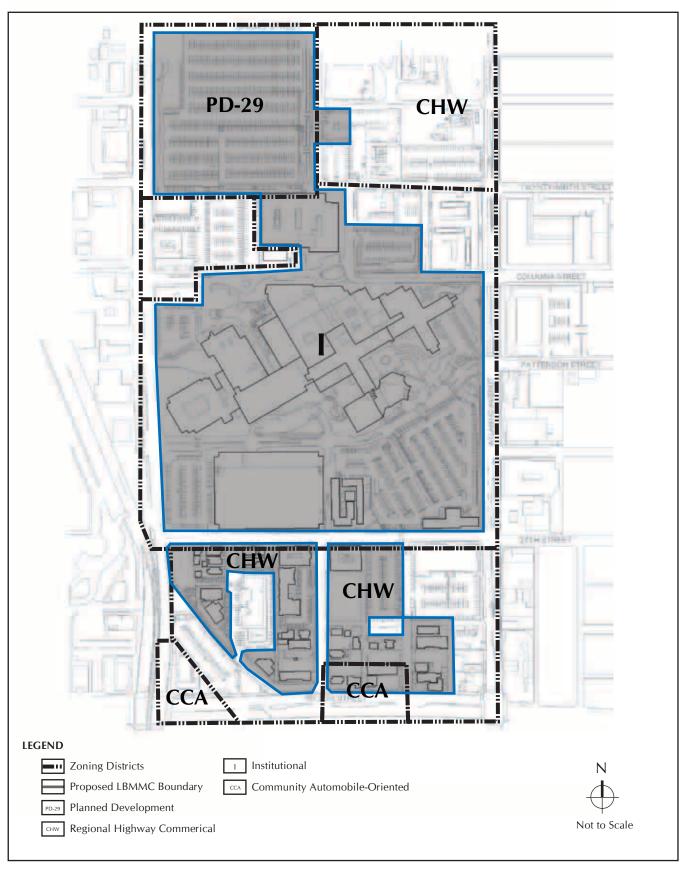














**FIGURE R3.7.4-1** Proposed Zoning Districts

consistent with National Pollution Discharge Elimination System (NPDES) Permit No. CAS 004003 to reduce transport of Pollutants of Concern from the construction site to the storm drainage and waterway system for each construction element of the proposed project: Miller Children's Hospital (MCH) pediatric inpatient tower Phases I and II, central plant building, and utility trench; the MCH pediatric outpatient building; the MCH link building: the Todd Cancer Institute Phases I and II: the roadway alignment: and the parking areas. Prior to completion of final plans and specifications for each construction element of the proposed project, the City of Long Beach Planning and Building Department shall ensure that the plans and specifications require compliance with NPDES Permit No. CAS 004003. The construction contractor for each element of the proposed project shall be required to submit a Standard Urban Storm Water Management Plan to the City of Long Beach for review and approval at least 30 days prior to the anticipated need for a grading permit. The City of Long Beach Planning and Building Department shall monitor construction to ensure compliance with NPDES Permit No. CAS 004003. The Office of Statewide Health Planning and Development has jurisdiction over inpatient facilities, and the City of Long Beach would have jurisdiction over outpatient facilities.

#### **NOISE** 3.9

#### 3.9.2 **Existing Conditions**

Page 3.9-9 The northeastern boundary of the Campus was revised in Figure 3.9.2-1 and replaced by Figure R3.9.2-1.

> In the first sentence of the first paragraph under this heading, please replace the reference to (Figure 3.9.2-1, Noise Measurement Locations) with the following:

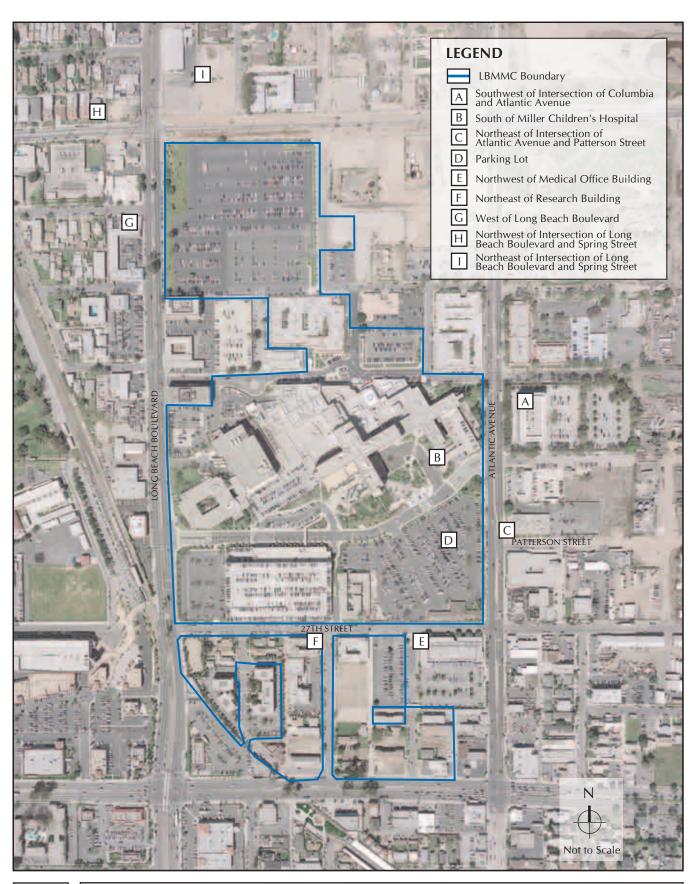
(Figure R3.9.2-1, Noise Measurement Locations)

### 3.9.6 Mitigation Measures

Page 3.9-19 Please replace mitigation measures Noise-1 and Noise-2 under this heading with the following:

#### Measure Noise-1

The City of Long Beach shall minimize the potential for construction noise levels to exceed the City of Long Beach Noise Ordinance by requiring the construction contractor to properly maintain all heavy equipment used for construction of each element of the proposed project: the Todd Cancer Institute Phases I and II; the Miller Children's Hospital (MCH) pediatric inpatient tower Phases I and II, central plant building, and utility trench; the MCH pediatric outpatient building; the MCH link building; the road realignment; and the parking areas. Prior to the completion of final plans and specifications, the City of Long Beach shall ensure that the plans and specifications include a requirement that all construction equipment shall be properly maintained. All vehicles and compressors shall utilize exhaust





mufflers. Engine enclosure covers as designed by the manufacturer shall be in place at all times. The City of Long Beach shall monitor the use of heavy equipment during construction to ensure conformance with the requirements of properly maintained heavy equipment.

#### Measure Noise-2

The City of Long Beach shall minimize the potential for construction noise levels to conflict with the City of Long Beach Noise Ordinance by requiring the plans and specifications to specify restricted periods for grading and construction for each element of the proposed project: the Todd Cancer Institute Phases I and II; the Miller Children's Hospital (MCH) pediatric inpatient tower Phases I and II, central plant building, and utility trench; the MCH pediatric outpatient building; the MCH link building; the road realignment; and the parking areas. Prior to the completion of final plans and specifications, the City of Long Beach shall ensure that the plans and specifications include a provision that restricts grading and construction activities to daily operation from 7:00 a.m. to 7:00 p.m., Monday through Friday, and from 8:00 a.m. to 5:00 p.m. on Saturdays. There should be no work on Sundays or federal holidays.

#### 3.10 PUBLIC SERVICES

# 3.10.2 Existing Conditions

#### Fire Protection

Page 3.10-3 The northeastern boundary of the Campus was revised in Figure 3.10.2-1 and replaced by Figure R3.10.2-1.

In the first sentence of the second paragraph under this heading, please replace the reference to (Figure 3.10.2-1, *Public Services near the Proposed Project*) with the following:

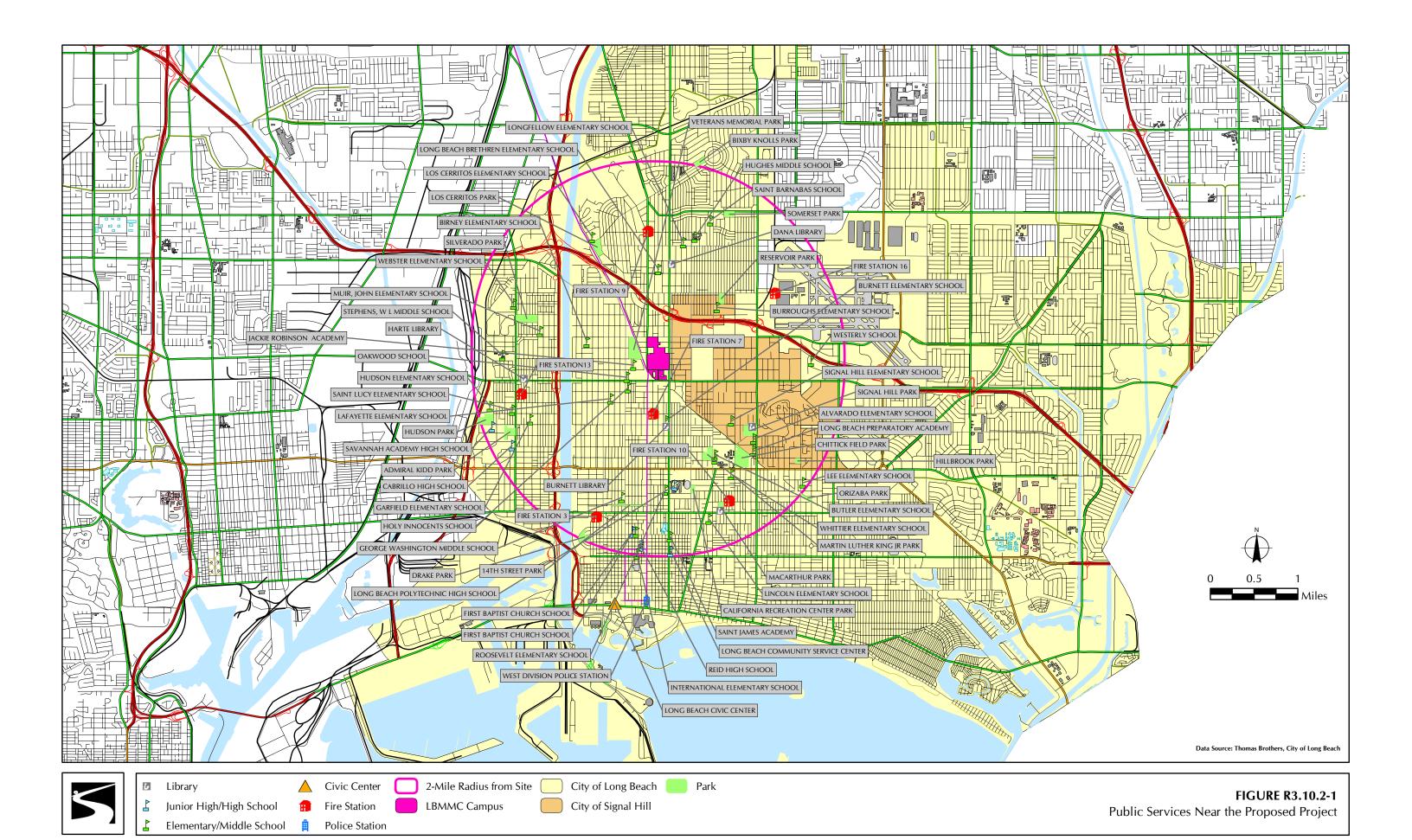
(Figure R3.10.2-1, Public Services near the Proposed Project)

### 3.10.6 Mitigation Measures

Page 3.10.8 Please replace mitigation measures Public Services-1 and Public Services-2 under this heading with the following:

# Measure Public Services-1

The City of Long Beach shall ensure that the exposure of people or property to security-related issues from the operation of the Miller Children's Hospital pediatric inpatient tower Phases I and II, central plant building, pediatric outpatient building, and link building; the Todd Cancer Institute (TCI) Phases I and II; and all new parking facilities within the Long Beach Memorial Medical Center (LBMMC) campus be minimized through an amendment of the existing security plan prior to the operation of each



proposed project element. The LBMMC shall submit to the City of Long Beach an amendment to the security plan that identifies the existing measures that shall be applied to each element of the proposed project at least 30 days prior to the anticipated need for an occupancy permit.

#### Measure Public Services-2

The City of Long Beach shall ensure that the exposure of property to vandalism and of people to safety hazards from the operation of the Miller Children's Hospital pediatric inpatient tower Phases I and II, central plant building, pediatric outpatient building, and link building; the Todd Cancer Institute (TCI) Phases I and II; and all new parking facilities within the Long Beach Memorial Medical Center (LBMMC) campus shall be minimized through an amendment to the existing lighting plan prior to the operation of each proposed project element. The LBMMC shall submit to the City of Long Beach an amendment to the lighting plan that documents the location of all exterior lighting on structures, within parking areas, and along pedestrian and vehicular routes of travel. The amended lighting plan shall be submitted to the City of Long Beach at least 30 days prior to the anticipated need for an occupancy permit.

#### 3.11 TRAFFIC AND TRANSPORTATION

Page 3.11-1 Please insert the following at the end of the third paragraph of this page:

The City of Long Beach Department of Public Works traffic engineer reviewed Linscott, Law & Greenspan Engineers' Traffic Impact Analysis and determined that it was complete and adequate. The cover for the report has been revised to reflect this determination, and it is included as Appendix M, *Traffic Analysis Cover*.

### 3.11.2 Existing Conditions

#### Street Network

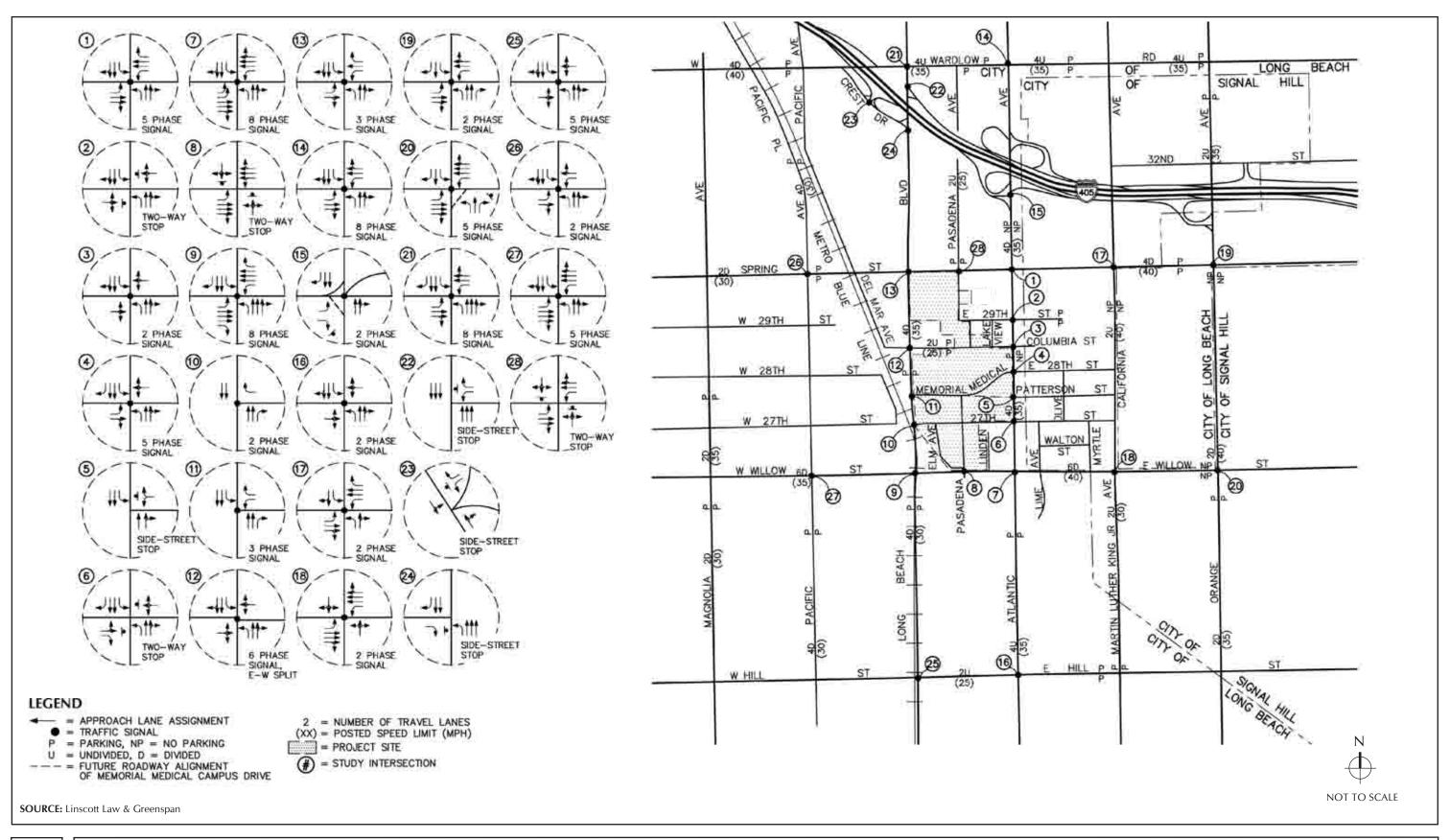
Page 3.11-3 The northeastern boundary of the Campus was revised in Figure 3.11.2-1 and replaced by Figure R3.11.2-1.

In the last sentence of the second paragraph under this heading, please replace the reference to (Figure 3.11.2-1, *Existing Roadway Conditions and Intersection Controls*) with the following:

(Figure R3.11.2-1, Existing Roadway Conditions and Intersection Controls)

#### **Public Transit**

Page 3.11-5 The Long Beach Transit Authority changed LBT Route No. 5 to LBT Route No. 51.





The first sentence in the paragraph under *Long Beach Transit* should be replaced with the following:

LBT Route No. 51 and Route No. 52 travels north and south on Long Beach Boulevard adjacent to the proposed project site, with a bus stop at the intersection of Long Beach Boulevard and Willow Street and Long Beach Boulevard and Memorial Center/28th Street.

### **Traffic Volumes**

Page 3.11-4 The northeastern boundary of the Campus was revised in Figure 3.11.2-2A and replaced by Figure R3.11.2-2A.

In the last sentence of the second paragraph under this heading, please replace the reference to (Figure 3.11.2-2A, *Existing A.M. Peak-Hour Traffic Volumes*) with the following:

(Figure R3.11.2-2A, Existing A.M. Peak-Hour Traffic Volumes)

Page 3.11-4 The northeastern boundary of the Campus was revised in Figure 3.11.2-2B and replaced by Figure R3.11.2-2B.

In the last sentence of the second paragraph under this heading, please replace the reference to (Figure 3.11.2-2B, Existing P.M. Peak-Hour Traffic Volumes) with the following:

(Figure R3.11.2-2B, Existing P.M. Peak-Hour Traffic Volumes)

#### 3.11.4 Impact Analysis

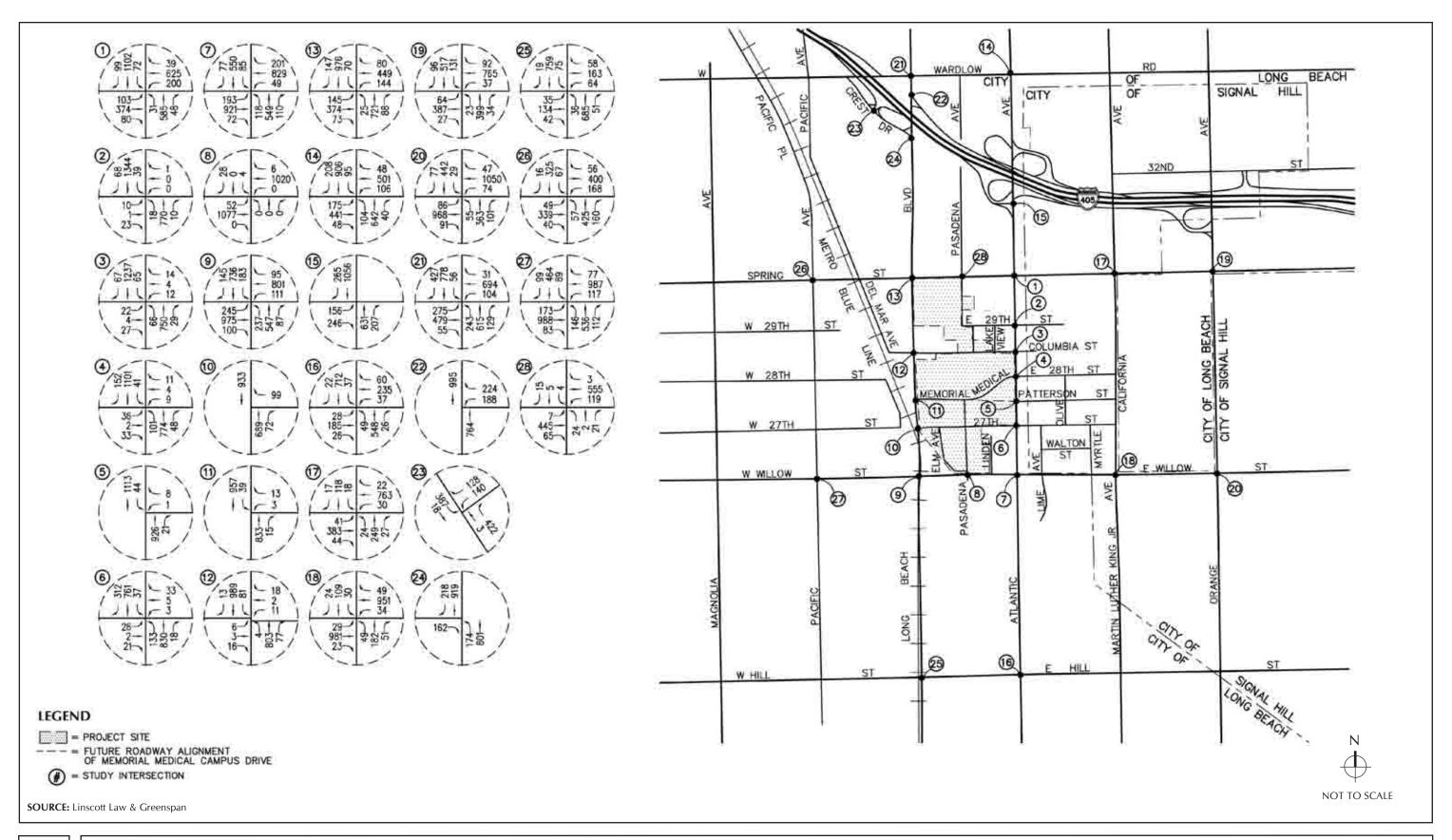
#### **Direct and Indirect Impacts**

# **Project Traffic Generation**

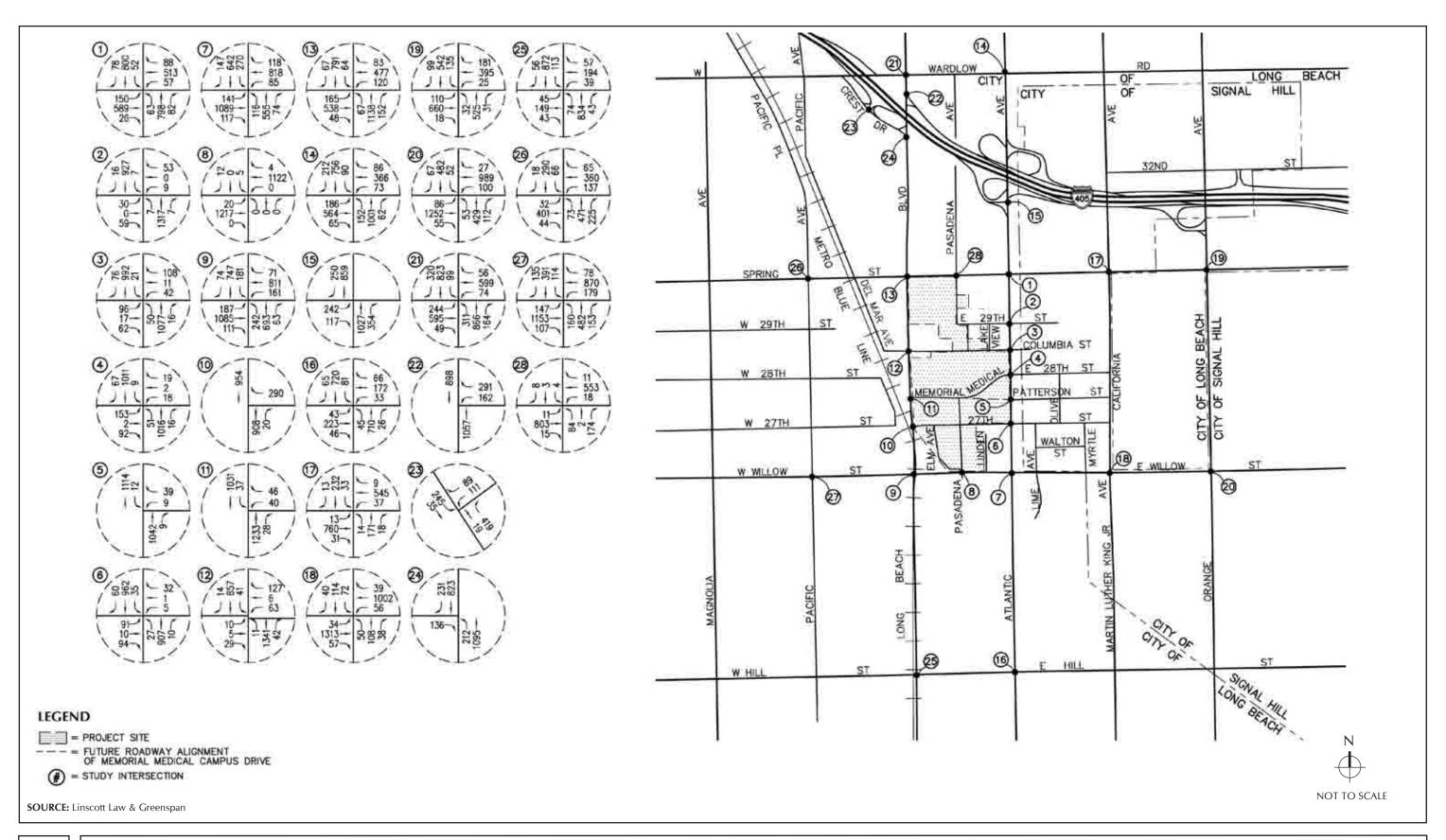
Page 3.11-14 In response to comments provided on the EIR, Linscott Law, & Greenspan Engineers provided a trip generation comparison for beds versus square feet for the existing MCH, proposed Phase I of the MCH, and proposed Phase II of the MCH.

Please insert the following paragraph after the first paragraph of this page:

Table R.3.11.4-2.1, *Trip Generation Comparison*, compares trip generation factors based on the number of beds versus trip generation factors based on the square footage for the existing MCH, proposed Phase I of the MCH, and proposed Phase II of the MCH. Table R.3.11.4-2.1 demonstrates that trip generation factors based on the number of beds yielded the greatest number of trips during a.m. and p.m. peak hours, thus providing the most inclusive characterization of peak-hour impacts.









# TABLE R.3.11.4-2.1 TRIP GENERATION COMPARISON

Land Use	Beds			Square Footage			
Land Ose	Daily	Total A.M.	Total P.M.	Daily	Total A.M.	Total P.M.	
Existing MCH (175,162 SF, 281 Beds)	3,319	318	365	3,078	210	206	
Phase I MCH Expansion (124,500 SF, 72 Beds)	850	81	94	2,187	150	147	
Phase II MCH Expansion (73,500 SF, 92 Beds)	1,087	104	119	1,291	88	87	
Total MCH (373,162 SF, 445 Beds)	5,256	503	578	6,556	448	440	

# Parking Impact

Page 3.11-15 In response to concerns related to construction staging impacts to parking, the LBMMC relocated the central plant building, thus removing the need to construct a utility trench through Parking Lot K and reducing impacts to existing parking spaces.

Please replace the fourth paragraph under this heading with the following:

In addition, a total of 510 parking spaces would be permanently lost due to the development of five project elements: (1) TCl Phase I; (2) MCH pediatric inpatient tower Phase I, utility trench, and central plant building; (3) roadway realignment; (4) TCl Phase II, and (5) parking program on-site parking structure (Table R3.11.4-4, Existing Parking Spaces Converted to Development). In addition, construction staging and soil remediation impacts on existing parking were also considered, including concurrent staging for TCl Phase I and MCH pediatric inpatient tower Phase I, utility trench, and central plant building would be expected to result in temporary loss of parking due to construction staging (Table R3.11.4-5, Additional Parking Spaces Required During Construction).

# TABLE R3.11.4-4 EXISTING PARKING SPACES CONVERTED TO DEVELOPMENT

Project Element	Construction Schedule	Parking Spaces Removed
Construction parking requirements: July 2005 to December 2007		
Todd Cancer Institute Phase I	Jul 2005 to Dec 2007	104
Miller Children's Hospital pediatric inpatient tower Phase I, utility trench, and central plant building	Jul 2005 to Dec 2007	86
Roadway realignment	Jul 2005 to Jun 2006	200
Total parking converted during construction: July 2005 to Decemb	er 2007	390
Construction parking requirements: January 2006 to June 2007		
Miller Children's Hospital pediatric outpatient building	Jan 2006 to Jun 2007	0
Total parking converted during construction: January 2006 to June	0	
Construction parking requirements: January 2010 to June 2011		
Todd Cancer Institute Phase II	Jul 2010 to Jun 2011	79
Miller Children's Hospital link building	Jul 2010 to Jun 2011	_
On-site parking structure	Jul 2010 to Jun 2011	41
Total parking converted during construction: July 2010 to June 201	120	
Construction parking requirements: January 2012 to June 2013		
Miller Children's Hospital pediatric inpatient tower Phase II	Jan 2012 to Jun 2013	0
Total parking converted during construction: July 2010 to June 201	0	
Net reduction of existing parking spaces	510	

# TABLE R3.11.4-5 ADDITIONAL PARKING SPACES REQUIRED DURING CONSTRUCTION

Project Element	Construction Schedule	Temporary Construction Impacts to Parking Spaces
Construction parking requirements: July 2005 to December 2007		
Todd Cancer Institute Phase I	Jul 2005 to Dec 2007	149
Miller Children's Hospital pediatric inpatient tower Phase I, utility trench, and central plant building	Jul 2005 to Dec 2007	0
Roadway realignment	Jul 2005 to Jun 2006	0
Total additional parking required during construction: July 2005 to December 2007		149
Construction parking requirements: January 2006 to June 2007		
Miller Children's Hospital pediatric outpatient building	Jan 2006 to Jun 2007	0
Total additional parking required during construction: January 2006 to June 2007	0	
Construction parking requirements: January 2010 to June 2011		
Todd Cancer Institute Phase II	Jul 2010 to Jun 2011	132
Miller Children's Hospital link building	Jul 2010 to Jun 2011	0
Total additional parking required during construction: July 2010 to June 2011	132	
Construction parking requirements: January 2012 to June 2013		
Miller Children's Hospital pediatric inpatient tower Phase II	Jan 2012 to Jun 2013	0
Total additional parking required during construction: July 2010 to June 2011	0	
Maximum temporary construction impacts to parking	149	

Page 3.11-19 In response to concerns related to construction staging impacts to parking, the LBMMC relocated the central plant building, thus removing the need to construct a utility trench through Parking Lot K and reducing impacts to existing parking spaces.

Replace the seventh paragraph under this heading with the following:

Based on the existing available resources, the LBMMC defined a parking program to accommodate the parking demand resulting from construction and operation of the elements of the proposed project (Table R3.11.4-7, Construction Parking Program, and Table R3.11.4-8, Operation Parking Program). The combination of the use of existing on-site parking, the lease of immediately adjacent parking, and the development of additional on-site parking would provide sufficient parking to support construction and operation of three elements of the proposed project: (1) TCI Phase I; (2) MCH pediatric inpatient tower Phase I, utility trench, and central plant building; and (3) roadway realignment. However, the identified parking

opportunities would be insufficient by approximately 599 parking spaces to support operation of the last four elements of the proposed project: (1) MCH pediatric outpatient building, (2) TCI Phase II, (3) MCH link building Phase II, and (4) MCH Phase II. If the lease of Parking Lots L and M could not be renewed in year 2015, there would be a need to replace the 534 parking spaces provided at that location, thus suggesting a total possible shortfall of 1,122 parking spaces in year 2015. It would be feasible to address this shortfall through development of a parking structure at the location of the existing surface Parking Lot K. Development of a structure on Parking Lot K would displace 41 parking spaces during construction that would need to be incorporated into the design of the parking structure for a total capacity of 1,174. Thus, the inclusion of the parking program will provide a sufficient number of parking spaces that will be provided throughout the construction of the proposed project.

# TABLE R3.11.4-7 CONSTRUCTION PARKING PROGRAM

Step	Period	Parking Required	Parking Program
	Roadway realignment: July 2005 to October 2005	200	
	Existing available capacity (259)		200
	MCH pediatric inpatient tower Phase I,		
	central plant building, and utility trench:	86	
Α	October 2005 to January 2008		
	Existing available capacity (259)		59
	On-site Parking Lot N (121)		27
	TCI Phase I: July 2005 to December 2006	253	
	Off-site Parking Lot L (296)		253
В	MCH pediatric outpatient building:	0	
Б	October 2005 to May 2007	U	
	TCI Phase II: July 2010 to June 2011	211	
С	Parking structure at Parking Lot K (1,404)		211
	MCH link building: July 2010 June 2011	0	
D	MCH pediatric inpatient tower Phase II:	0	
	January 2012 to June 2013	U	

# TABLE R3.11.4-8 OPERATION PARKING PROGRAM

Step	Period	Parking Required	Parking Program
	Roadway realignment: November 2005	200	
	Existing available capacity (259)		200
	MCH pediatric inpatient tower Phase I,	240	
	central plant building, and utility trench: January 2008	240	
	Existing available capacity (259)		59
Α	On-site Parking Lot N (121)		121
	Off-site Parking Lot L (296)		60
	TCI Phase I: January 2007	522	
	Off-site Parking Lot L (296)		236
	Off-site Parking Lot M (238)		238
	On-site Parking Lot P (68)		48
	MCH pediatric outpatient building: June 2007	400	
	On-site Parking Lot Q (71)		71
В	On-site Parking Lot R (96)		96
D	On-site Parking Lot S (72)		72
	On-site Parking Lot T (87)		87
	Parking structure at Parking Lot K (1,174)		74
	TCI Phase II: July 2011	291	
C	Parking structure at Parking Lot K (1,174)		291
С	MCH link building: July 2011	50	
	Parking structure at Parking Lot K (1,174)		50
D	MCH pediatric inpatient tower Phase II: July 2013	184	
ט	Parking structure at Parking Lot K (1,174)		184

### 3.11.5 Cumulative Impacts

Page 3.11-26 Please insert the following after the last paragraph under this heading:

To address the City of Signal Hill's concerns, an additional 10 percent of hospital-related project traffic (for a total of 15 percent) was routed to Willow Street to further represent Willow Street as a bypass route to the I-405. Table R3.11.5-3, *Year 2014 Traffic Sensitivity Analysis*, summarizes the results for the three intersections along Willow Street most likely to be impacted by this sensitivity analysis in the year 2014.

# TABLE R3.11.5-3 YEAR 2014 TRAFFIC SENSITIVITY ANALYSIS

Key Intersections		Time Period	(1) Year 2014 Background Traffic Conditions		(2) Year 2014 Plus Project Traffic Conditions		(3) Project Significant Impact	
			ICU	LOS	ICU	LOS	ICU	Y/N
7	Atlantic Avenue at	AM	0.848	D	0.897	D	0.049	Z
/	Willow Street	PM	0.987	E	1.041	F	0.054	Y
18	California Avenue at	AM	0.583	Α	0.593	Α	0.010	Z
	Willow Street	PM	0.671	В	0.685	В	0.014	N
20	Orange Avenue at	AM	0.843	D	0.855	D	0.012	Z
	Willow Street	PM	0.951	E	0.966	E	0.015	N

The intersection of Atlantic Avenue and Willow Street is forecast to operate at unacceptable level of service (LOS) F during the p.m. peak hour for year 2014 traffic conditions. Consistent with the findings of the Draft EIR traffic analysis, the proposed project significantly impacts this location. Based on the results of this sensitivity analysis, the proposed project does not impact the intersections of California Avenue at Willow Street and Orange Avenue at Willow Street.

#### 3.11.6 Mitigation Measures

# Measure Transportation-3

Page 3.11-28 In response to concerns related to construction staging impacts to parking, the LBMMC relocated the central plant building, thus removing the need to construct a utility trench through Parking Lot K and reducing impacts to existing parking spaces.

Please replace mitigation measure Transportation-3 under this heading with the following:

Construction and operation impacts to parking for each element of the proposed project shall be mitigated through the implementation of a parking program or comparable measure that provides sufficient long-term parking to meet City of Long Beach (City) code requirements. Long Beach Memorial Medical Center (LBMMC) shall keep the City informed of any modifications to the parking program for the proposed project. Construction parking plans shall be submitted to the City at least 30 days prior to the anticipated issuance of a grading permit for each element of the proposed project. Operation parking plans shall be submitted to the City at least 30 days prior to the anticipated issuance of occupancy permits or operation of the specified element of the proposed project.

### Roadway Realignment

# Construction

Miller Children's Hospital (MCH) shall submit a construction parking plan to address the 200 parking spaces that are expected to be removed from Parking Lot K as a result of the construction of the roadway realignment element of the proposed project. The parking analysis identified the availability of 259 excess parking spaces available within the Long Beach Memorial Medical Center campus (Campus). It is anticipated that the loss of the 200 parking spaces shall be offset through the use of 200 of the existing available 259 parking spaces. LBMMC will dedicate an increased number of parking spaces in Parking Lot A to visitors to compensate for parking spaces removed from Parking Lot K.

# Operation

MCH shall submit an operation parking plan to address the permanent need for 200 parking spaces to replace parking spaces that are expected to be removed from Parking Lot K as a result of the roadway realignment element of the proposed project. The parking analysis identified the availability of 259 excess parking spaces available within the Campus. During construction, it is anticipated that the permanent loss of the 200 parking spaces shall be offset through the use of 200 of the existing available 259 parking spaces.

MCH-Pediatric Inpatient Tower Phase I, Utility Trench, and Central Plant Building

# Construction

MCH shall submit a construction parking plan to address the 86 parking spaces that are expected to be removed from the demolition of Parking Lot F for the construction of this element of the proposed project. The parking analysis identified the availability of 259 excess parking spaces available within the Campus. It is anticipated that the loss of the 86 parking spaces shall be offset through the use of 59 of the existing available 259 parking spaces, and the remaining 27 spaces shall be offset through the use of 27 of the 121 available spaces in Parking Lot N.

#### Operation

MCH shall submit an operation parking plan to address the permanent need for 240 additional parking spaces (86 from demolition of Parking Lot F, 144 for operation of Phase I of the MCH, and 10 for operation of the central plant building). The parking analysis identified the availability of 259 excess parking spaces available within the Campus. It is anticipated that the permanent loss of the 240 parking spaces shall be offset through the use of

59 existing available parking spaces, Parking Lot N (121 spaces), and lease of off-site parking spaces in Parking Lot L (60 spaces).

MCH-Pediatric Outpatient Building

# Construction

Not required.

# Operation

MCH shall submit an operation parking plan to address the permanent need for 400 additional parking spaces for the operation of the MCH pediatric outpatient building. It is anticipated that the permanent need for 400 parking spaces shall be offset through the use of 71 spaces in Parking Lot Q, 96 spaces in Parking Lot R, 72 spaces in Parking Lot S, 87 spaces in Parking Lot T, and 74 spaces provided by development of a 1,174-space parking structure within the existing footprint of Parking Lot K, which would also accommodate the 41 parking spaces removed as a result of construction of the parking structure itself.

MCH-Link Building

# Construction

Not required.

#### Operation

MCH shall submit an operation parking plan to address the 50 parking spaces to support operation of the MCH link building. It is anticipated that the 50 parking spaces required to support the operation of the MCH link building shall be provided in the 1,174-space parking structure to be constructed within the existing footprint of Parking Lot K.

MCH-Pediatric Inpatient Tower Phase II

# **Construction**

Not required.

# Operation

MCH shall submit an operation parking plan to address the 184 parking spaces required to support the operation of the MCH pediatric inpatient tower Phase II. It is anticipated that the 184 parking spaces, required to operate the MCH pediatric inpatient tower Phase II, shall be provided in the

1,174-space parking structure to be constructed within the existing footprint of Parking Lot K.

Todd Cancer Institute Phase I

# Construction

LBMMC shall submit a construction parking plan to address the 253 parking spaces that are expected to be removed from Parking Lot A, including 104 spaces permanently removed by the footprint of the building and additional 149 parking spaces to be temporarily removed as a result of construction staging. It is anticipated that the loss of the 253 parking spaces shall be offset through the lease of 253 off-site parking spaces at Parking Lot L.

#### Operation

LBMMC shall submit an operation parking plan to address the permanent need for 522 additional parking spaces (replace 104 spaces lost as a result of construction and provide 418 spaces for the operation of Todd Cancer Institute Phase I). It is anticipated that the need for 522 parking spaces shall be offset through the use of 236 spaces to be leased off site at Parking Lot L, 238 spaces to be leased off site at Parking Lot M, and 48 spaces to be provided through development of Parking Lot P on site.

Todd Cancer Institute Phase II

# Construction

LBMMC shall submit a construction parking plan to address the 211 parking spaces that would be lost to construction (79 parking spaces) and construction staging (132 parking spaces). It is anticipated that the loss of the 211 parking spaces shall be offset through the provision of 211 parking spaces in a 1,174-space parking structure to be developed within the existing footprint of Parking Lot K.

#### Operation

LBMMC shall submit a construction parking plan to address the 291 parking spaces that would be lost to construction (79 parking spaces) and operation of the Todd Cancer Institute Phase II (212 parking spaces). It is anticipated that the loss of the 291 parking spaces shall be offset the provision of 291 parking spaces in the 1,174-space parking structure to be developed within the existing footprint of Parking Lot K.

# 3.11.7 Level of Significance after Mitigation

Page 3.11-31 Please replace the third sentence of the first paragraph in this section with the following:

The impacts to 3 of 10 intersections would not be mitigated to below the level of significance for the year 2014 planning horizon.

### 3.12 UTILITIES AND SERVICE SYSTEMS

#### 3.12.2 Existing Conditions

### Wastewater Treatment

Page 3.12-4 In the first sentence of the first paragraph under this heading, please replace the reference to (Figure 3.12.2-1, Existing Sanitary Sewer, Storm Drain, and Water Lines in the Proposed Project Vicinity) with the following:

(Figure R3.12.2-1, Existing Sanitary Sewer, Storm Drain, and Water Lines in the Proposed Project Vicinity)

Page 3.12-4 The characterization of existing conditions for wastewater treatment was modified in response to a letter of comment on the EIR provided by the County Sanitation Districts of Los Angeles County.

In the first paragraph following this header, please replace the last three sentences with the following:

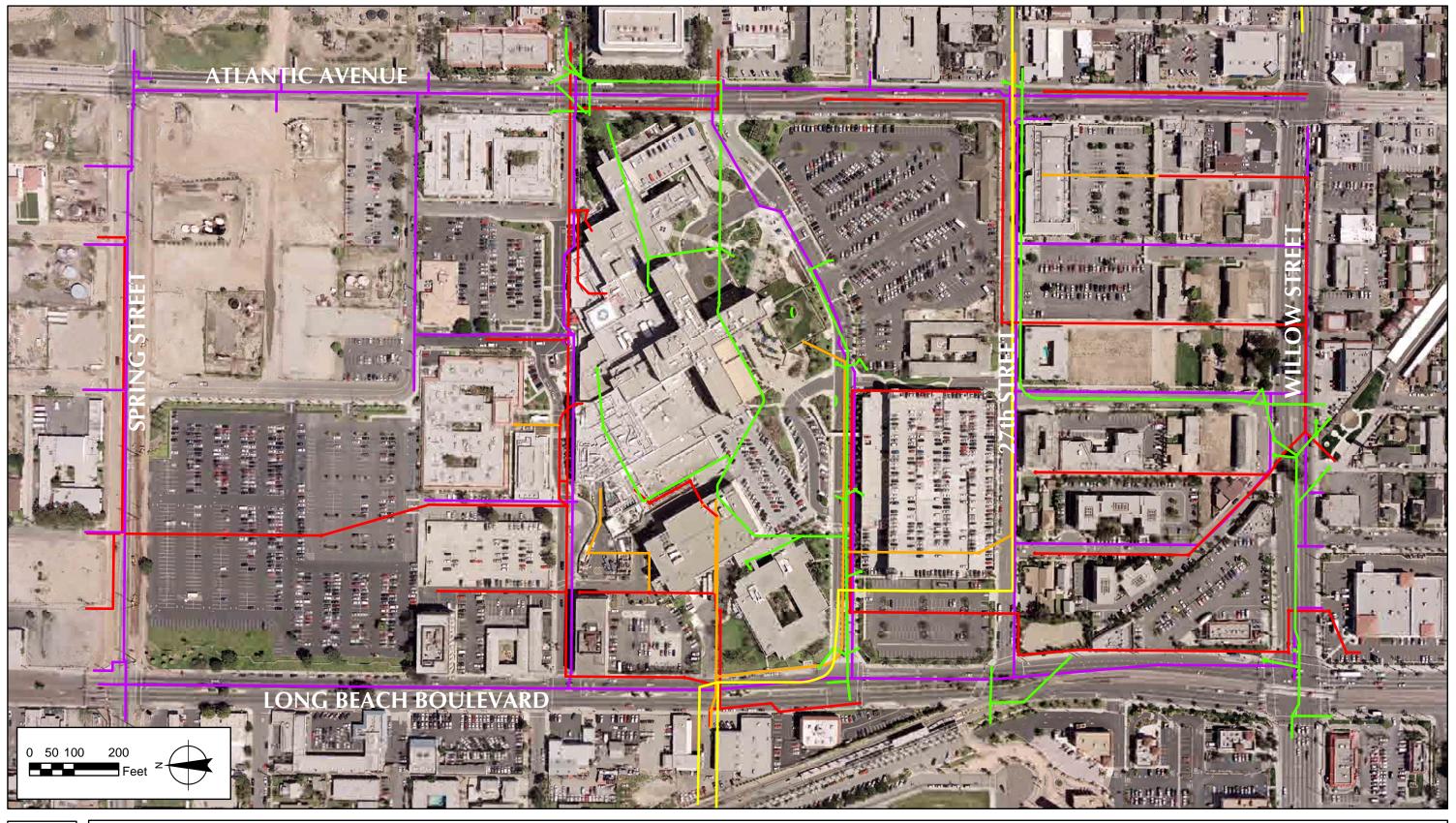
Existing mainline sewers within the Long Beach Memorial Medical Center campus will provide connection points for sewer service to the proposed element of the project.

Page 3.12-4 In the second paragraph following this header, please replace the first two sentences with the following:

The majority of wastewater from the City of Long Beach is treated at the Joint Water Pollution Control Plant (JWPCP) of the County Sanitation Districts of Los Angeles County. The remaining portion of the City's wastewater is delivered to the Districts' Long Beach Water Reclamation Plant, located on the east side of Long Beach.

Page 3.12-4 In the second paragraph following this header, please replace the last sentence with the following:

The City of Long Beach Water Department operates and maintains nearly 765 miles of sanitary sewer line and delivers more than 40 million gallons of water per day to the County Sanitation Districts' facilities located on the east and west sides of the City of Long Beach.





Los Angeles County Sanitation District Sewer Trunk Lines

V Private Sanitary Sewer



Existing Sanitary Sewer, Storm Drain, and Water Lines in the Proposed Project Vicinity

FIGURE R3.12.2-1

# Water Supply

Page 3.12-4 In the second sentence of the first paragraph under this heading, please replace the reference to (Figure 3.12.2-1) with the following:

(Figure R3.12.2-1)

#### 3.12.4 Impact Analysis

#### Wastewater Treatment

Page 3.12-6 The impact analysis for wastewater treatment has been clarified in response to a letter of comment on the EIR provided by the County Sanitation Districts of Los Angeles County.

Please replace the two paragraphs following this header with the following:

The proposed development is located within the jurisdictional boundaries of the County Sanitation Districts of Los Angeles County in District No. 3. The wastewater flow from the proposed project will discharge to local sewer lines maintained by the Long Beach Water Department. The discharge will be conveyed to the County Sanitation Districts' Joint Outfall "C" Unit 3F Trunk Sewer, located in Patterson Street east of Long Beach Boulevard. This 18-inch-diameter trunk sewer has a design capacity of 2.3 million gallons per day (MGD), and it conveyed a peak flow of 0.7 MGD at the points of connection when last measured in 2001.

Although capacity exists for the proposed project at the local connection points, downstream of these points, the County Sanitation Districts' Joint Outfall "C" Unit 1 is at capacity. Relief of this section of trunk sewer is currently in design; however, until the design and subsequent construction of the trunk line are complete, new or increased discharges are allowed only during off-peak hours. Relief sewer construction of the Joint Outfall "C" Unit 1 is anticipated to be completed in late 2006 or early 2007; however, design or construction issues could cause delays. Completion of the Miller Children's Hospital Expansion is anticipated to be January 2008. Completion of the Todd Cancer Institute Phase I is anticipated to be September 2006.

Wastewater discharges from acute care and skilled nursing care hospitals are considered industrial discharges. Therefore, the proposed project will require amendments to the current County Sanitation Districts' permit for industrial wastewater discharge. Project developers will be required to forward copies of final plans and supporting information for the proposed project to the County Sanitation Districts for review and approval before beginning project construction.

The wastewater generated by the proposed project will be treated at the County Sanitation Districts Joint Water Pollution Control Plant located in the City of Carson, which has a design capacity of 385 MGD and currently

processes an average flow of 321.6 MGD. The expected increase in average wastewater flow from the proposed project site at build-out is approximately 150,000 gallons per day.

The Districts maintain sewerage facilities within the proposed project area. Approval to construct improvements within a Districts' sewer easement and/or over or near a Districts' sewer is required before construction may begin. The City of Long Beach and the LBMMC will comply with the Districts' build-over procedures and requirements before construction.

The Districts are empowered by the California Health and Safety Code to charge a fee for the privilege of connecting (directly or indirectly) to the Districts' sewerage system or increasing the existing strength and/or quantity of wastewater attributable to a particular parcel or operation already connected. This connection fee will be required to construct an incremental expansion of the sewerage system to accommodate the proposed project, which will mitigate the impact of this project on the present sewerage system.

For the Districts to conform to the requirements of the federal Clean Air Act (CAA), the design capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into the Air Quality Management Plan, which is prepared by the South Coast Air Quality Management District to improve air quality in the South Coast Air Basin, as mandated by the CAA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the Counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. Therefore, the available capacity of the Districts' treatment facilities will be limited to levels associated with the approved growth identified by SCAG. The Districts intend to provide treatment services to the LBMMC up to the levels that are legally permitted.

### Storm Drain System

Page 3.12-6 The impact analysis for the storm drain system has been clarified in response to a letter of comment on the EIR provided by the County Sanitation Districts of Los Angeles County.

Please insert the following paragraph following the first paragraph after this header:

The proposed project would not result in significant impacts relating to the storm water surface flow wastewater treatment requirements of the Los Angeles Regional Water Quality Control Board<sup>5</sup> or result in the expansion or

<sup>&</sup>lt;sup>5</sup> California Regional Water Quality Board, Los Angeles Region (4). 13 June 1994. *Water Quality Control Plan Los Angeles Region, Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties*. Contact: 320 West Fourth Street, Suite 200, Los Angeles, CA 90013.

construction of new storm water treatment facilities. The proposed project would, therefore, not result in the evaluation of constituents regulated by wastewater treatment requirements. All wastewater from the proposed project would flow into the existing storm drain system. Incorporation of best management practices (BMP) would be capable of reducing the amount of polluted runoff from parking lots and landscaped areas, making the runoff from the site less polluted than the existing condition. Therefore, the proposed project would not be expected to result in an exceedance of wastewater treatment requirements, or the expansion or construction of new water or wastewater treatment facilities.

Page 3.12-6 Based on meetings with the City of Long Beach staff, Moffat and Nichol, and Taylor Architects, the LBMMC will upgrade a portion of the 54-inch-diameter storm drain below the MCH building foundation.

Please insert the following paragraph after the second revised paragraph under this header:

The impact analysis for the storm drain system includes an existing public 54-inch storm drain structure originally constructed in the 1950s that is located at an invert elevation approximately 4 feet below the building foundation within the expansion area. Many portions of the existing 54-inch storm drain within the LBMMC campus (Campus) have been replaced with double-gasketed pipe as development of the Campus expanded. The City of Long Beach required replacements because of the potential effects of the existing pipe leaking discharge into the ground, or the existing groundwater leaking into the existing storm drain.<sup>6</sup> Initially, the City of Long Beach considered a plastic lining within all 54-inch reinforced-concrete piping (RCP) beneath the Campus in lieu of replacing the storm drain that is within the Miller's Children Hospital (MCH) area of the current LBMMC expansion area. The Long Beach Water Department's Maintenance Department visually inspected and videotaped all portions of the storm drain system beneath the Campus.<sup>7</sup> Based on this inspection, all sections of the RCP piping were found to be operational, intact, and in good visual condition.8 Thus, much of the length of the existing 54-inch storm drain pipe under the Campus has already been replaced with 54-inch double-gasketed RCP. Therefore, lining the portions of the 54-inch RCP outside the limits of the current proposed LBMMC expansion area of the MCH should not be needed.

<sup>&</sup>lt;sup>6</sup> Moffat & Nichol. 14 March 2005. *March 14, 2005, Letter*. Contact: Jim D. Faul, Moffat & Nichol, 250 West Wardlow Road, P.O. Box 7707, Long Beach, CA 90807.

<sup>&</sup>lt;sup>7</sup> Moffat & Nichol. 14 March 2005. *March 14, 2005, Letter.* Contact: Jim D. Faul, Moffat & Nichol, 250 West Wardlow Road, P.O. Box 7707, Long Beach, CA 90807.

<sup>&</sup>lt;sup>8</sup> Moffat & Nichol. 14 March 2005. *March 14, 2005, Letter*. Contact: Jim D. Faul, Moffat & Nichol, 250 West Wardlow Road, P.O. Box 7707, Long Beach, CA 90807.

It is the LBMMC's intention to protect this storm drain in place. In order to accomplish this, two protection strategies would be implemented<sup>9</sup>:

- 1. The interior of the drain line that lies beneath the MCH building could be retrofitted with a polyvinyl chloride liner.
- 2. A protective structural concrete slab bridge could be constructed above the drain with a Styrofoam cushioning layer. This would serve to protect the pipe from any excessive loads from the building above.

The City of Long Beach Department of Public Works reviewed the videotaped portions of the drain and agreed with the concept of installing a plastic lining in the existing 54-inch RCP storm drain that is within the MCH area of the current LBMMC expansion.<sup>10</sup>

### 3.12.6 Mitigation Measures

Page 3.12-8 Please replace mitigation measures Utilities-1 and Utilities-2 under this heading with the following:

#### Measure Utilities-1

The City of Long Beach shall divert at least 50 percent of the construction solid waste generated to ensure compliance with applicable federal, state, and local statutes related to solid waste and reduce direct and cumulative impacts from construction to below the level of significance. Prior to advertising for construction bids for the Miller Children's Hospital (MCH) pediatric inpatient tower Phases I and II, central plant building, and utility trench, the Office of Statewide Health Planning and Development (OSHPD) shall ensure that the plans and specifications include the requirement for the construction contractor to comply with the Solid Waste Management Act of 1989. To ensure conformance with the Solid Waste Management Act of 1989, the OSHPD shall require the construction contractor to manage the solid waste generated during construction of each element of the proposed project by diverting at least 50 percent of it from disposal in landfills, particularly Class III landfills, through source reduction, reuse, and recycling of construction and demolition debris. The construction contractor shall submit a construction solid waste management plan to the OSHPD for approval prior to initiation of demolition activities for the MCH pediatric inpatient tower Phase I, central plant building, and utility trench. The construction contractor shall demonstrate compliance with the solid waste management plan through the submission of monthly reports during demolition activities that estimate total solid waste generated and diversion of 50 percent of the solid waste.

<sup>&</sup>lt;sup>9</sup> Taylor Architects. 21 March 2005. *March 21, 2005, Letter*. Contact: Carrie Sheridan, Taylor Architects, 2220 University Drive, Newport Beach, CA 92660.

<sup>&</sup>lt;sup>10</sup> City of Long Beach Department of Public Works. 24 March 2005. *March 24, 2005, Letter.* Contact: Christine Andersen, City of Long Beach Department of Public Works. 333 West Ocean Boulevard, Long Beach, CA 90802.

#### Measure Utilities-2

The City of Long Beach shall divert at least 50 percent of the construction solid waste to ensure compliance with applicable federal, state, and local statutes related to solid waste and reduce direct and cumulative impacts from construction to below the level of significance. Prior to advertising for construction bids for the Todd Cancer Institute (TCI) Phases I and II, the Miller Children's Hospital (MCH) pediatric outpatient building, the MCH link building, the roadway realignment, and the parking facilities, the City of Long Beach shall ensure that the plans and specifications include the requirement for the construction contractor to comply with the Solid Waste Management Act of 1989. To ensure conformance with the Solid Waste Management Act of 1989, the City of Long Beach shall require the construction contractor to manage the solid waste generated during construction of each element of the proposed project by diverting at least 50 percent of it from disposal in landfills, particularly Class III landfills, through source reduction, reuse, and recycling of construction and demolition debris. The construction contractor shall submit a construction solid waste management plan to the City of Long Beach for approval prior to initiation of demolition activities for the TCI Phases I and II, the MCH pediatric outpatient building, the MCH link building, the roadway realignment, and the parking facilities. The construction contractor shall demonstrate compliance with the solid waste management plan through the submission of monthly reports during demolition activities that estimate total solid waste generated and diversion of 50 percent of the solid waste.

Page 3.12-9 Please replace mitigation measure Utilities-4 under this heading with the following:

#### Measure Utilities-4

The City of Long Beach shall review the plans and specifications for the Todd Cancer Institute Phases I and II, the Miller Children's Hospital (MCH) pediatric outpatient building, the MCH link building, and the parking facilities to ensure that adequate service areas are provided for trash and recycling receptacles for compliance with applicable federal, state, and local statutes related to solid waste and to reduce direct and cumulative impacts from project operation and maintenance to below the level of significance. Prior to advertising for construction bids for each new building, the City of Long Beach shall ensure that the plans and specifications designating locations for trash receptacles and recycling receptacles are in conformance with the California Solid Waste Reuse and Recycling Access Act of 1991. Wherever trash receptacles are provided through the proposed project site, a recycling receptacle for plastic, aluminum, and metal shall also be provided. Signs encouraging patrons to recycle shall be posted near each recycling receptacle.

Page 3.12-9 In response to concerns related to protecting a portion of the 54-inch-diameter storm drain below the LBMMC building foundation, the LBMMC and the City of Long Beach recommended inclusion of a mitigation measure for utilities.

Please include the following mitigation measure under this heading:

### **Measure Utilities-5**

To meet both the City of Long Beach and the Long Beach Memorial Medical Center (LBMMC) intention to protect the 54-inch-diameter storm drain below portions of the LBMMC campus expansion area, due to potential effects of the existing pipe leaking discharge into ground, or existing groundwater leaking into the existing storm drain, the City of Long Beach shall install a plastic lining within the 54-inch reinforced-concrete piping (RCP) beneath the Miller Children's Hospital (MCH) of the current LBMMC expansion area. Much of the length of the existing 54-inch storm drain pipe under the LBMMC campus has been replaced with 54-inch double-gasketed RCP. The Long Beach Water Department's Maintenance Department inspection of all sections of the RCP piping was found to be operational, intact, and in good visual condition. Therefore, lining the portions of the 54inch RCP that are outside the limits of the LBMMC expansion area of the MCH should not be needed. However, it is still the LBMMC's intention to protect the 54-inch RCP storm drain beneath the MCH. To accomplish this, the City of Long Beach shall process an easement for the storm drain because one does not currently exist. Two strategies shall be implemented:

- 1. The interior of the drain line that lies beneath the MCH shall be retrofitted with a polyvinyl chloride (PVC) liner.
- 2. A protective structural concrete slab bridge shall be constructed above the drain with a Styrofoam cushioning layer. This shall serve to protect the pipe from any excessive loads from the building above.

# 4.0 ALTERNATIVES TO THE PROPOSED PROJECT

Page 4-3 The building spaces of the MCH Pediatric Inpatient Tower Phases I and II were revised. Please replace Table 4.0-1, Summary of Proposed Land Areas under Alternatives A and B, with the following revised Table R4.0-1, Summary of Proposed Land Areas under Alternatives A and B.

# TABLE R4.0-1 SUMMARY OF PROPOSED LAND AREAS UNDER ALTERNATIVES A AND B

	TCI Phase I	TCI Phase II	MCH Pediatric Inpatient Tower Phase I	MCH Pediatric Inpatient Tower Phase II	MCH Utility Trench	MCH Central Plant Building	MCH Pediatric Outpatient Building	MCH Link Building	Roadway Realignment	Parking Program
Alternative A										
Number of required parking spaces	418	212	144	184	0	10	400	50	0	1,730
Height of building (feet)	54	33	84	148	0	20	84	54	0	84
Building space (gross square feet)	83,360	42,360	124,500	73,500	N/A	3,500	80,000	20,000	N/A	N/A
Building levels	3 stories	2 stories	4 stories + basement	3 stories	0	1 story	5 stories + basement	3 stories	N/A	4 stories
Number of employees	122¹	60	310	100	0	0	138²	20	0	0
Alternative B										
Number of required parking spaces	360	282	124	204	0	10	400	50	0	1,730
Height of building (feet)	54	33	84	148	0	20	84	54	0	84
Building space (gross square feet)	71,690	54,030	107,070	90,930	N/A	3,500	80,000	20,000	N/A	N/A
Building levels	3 stories	2 stories	4 stories + basement	3 stories	0	1 story	5 stories + basement	3 stories	N/A	4 stories
Number of employees	105*	77	267	143	0	0	138**	20	0	0

#### NOTES:

# 4.1 NO PROJECT ALTERNATIVE

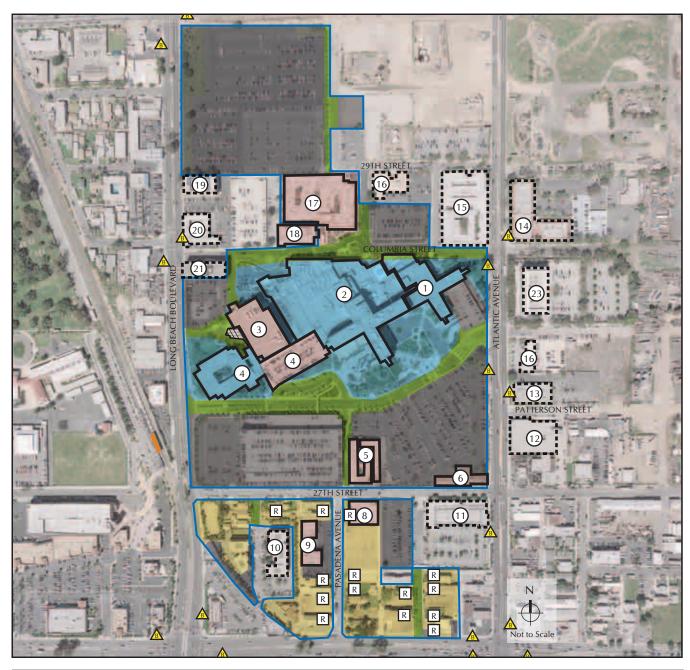
Page 4-5 The northeastern boundary of the Campus and the location of the central plant building were revised in Figure 4.1-1 and replaced by Figure R4.1-1.

In the first sentence of the first paragraph under this heading, please replace the reference to (Figure 4.1-1, *No Project Alternative*) with the following:

(Figure R4.1-1, No Project Alternative)

<sup>\*</sup> Existing employees who would be consolidated from other locations on and off the Campus.

<sup>\*\*</sup> Existing employees who would be consolidated from other locations on the Campus





Outpatient

Mixed Use

Utilities

Circulation Parking

LBMMC Boundary

Buildings Controlled by LBMMC



Blue Line (Willow Station)

Bus Stop (Long Beach Transit)

Miller Children's Hospital

Long Beach Memorial Medical Center

Administration Building West Facility/Rehabilitation Building

Rehabilitation Gym/Parking Miller House

Ranch House / WIC (6) Medical Center

Memorial Guest Residence

(9) Research Building

(10) Elm Medical Plaza

3-Story Medical Office Building

Convalescent Home MOB with CT & MRI Orthopedics

Hillside Medical Plaza

(15) 2-Story Atlantic MOB

Medical Office Building - 1 Story (16)

Buffums Plaza - 1 Story

(18) CT & MRI Center

Medical Office Building

(20) Aloha Motel

Medical Office Building

4-Story Altantic MOB

Residential Buildings



# **FIGURE R4.1-1** No Project Alternative

#### 4.2 ALTERNATIVE A

Page 4-11 The northeastern boundary of the Campus and the location of the central plant building were revised in Figure 4.2-1 and replaced by Figure R4.2-1.

In the first sentence of the first paragraph under this heading, please replace the reference to (Figure 4.2-1, *Alternative A*) with the following:

(Figure R4.2-1, *Alternative A*)

Page 4-20 Please include the following sentence after the first paragraph under the Utilities and Service Systems section regarding the mitigation measure for storm drain systems:

Impacts to utilities, specifically the storm drain systems, would be reduced to below the threshold of significance with the implementation of mitigation measure Utilities-5.

#### 4.3 ALTERNATIVE B

Page 4-20 The northeastern boundary of the Campus and the location of the central plant building were revised in Figure 4.3-1 and replaced by Figure R4.3-1.

In the first sentence of the first paragraph under this heading, please replace the reference to (Figure 4.3-1, *Alternative B*) with the following:

(Figure R4.3-1, *Alternative B*)

Page 4-28 Please include the following sentence after the first paragraph under the Utilities and Service Systems section regarding the mitigation measure for storm drain systems:

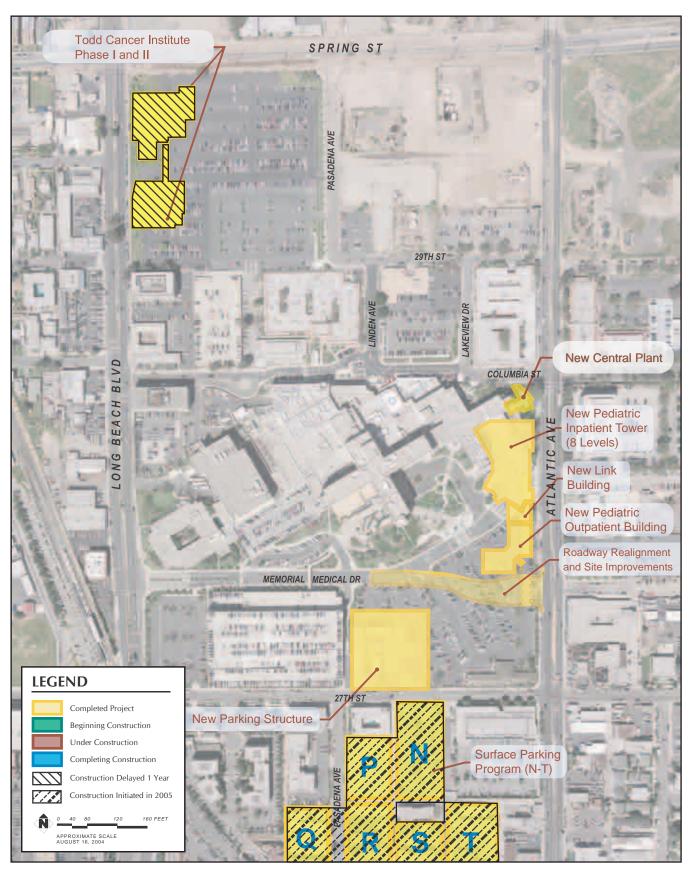
Impacts to utilities, specifically the storm drain systems, would be reduced to below the threshold of significance with the implementation of mitigation measure Utilities-5.

#### 10.0 REFERENCES

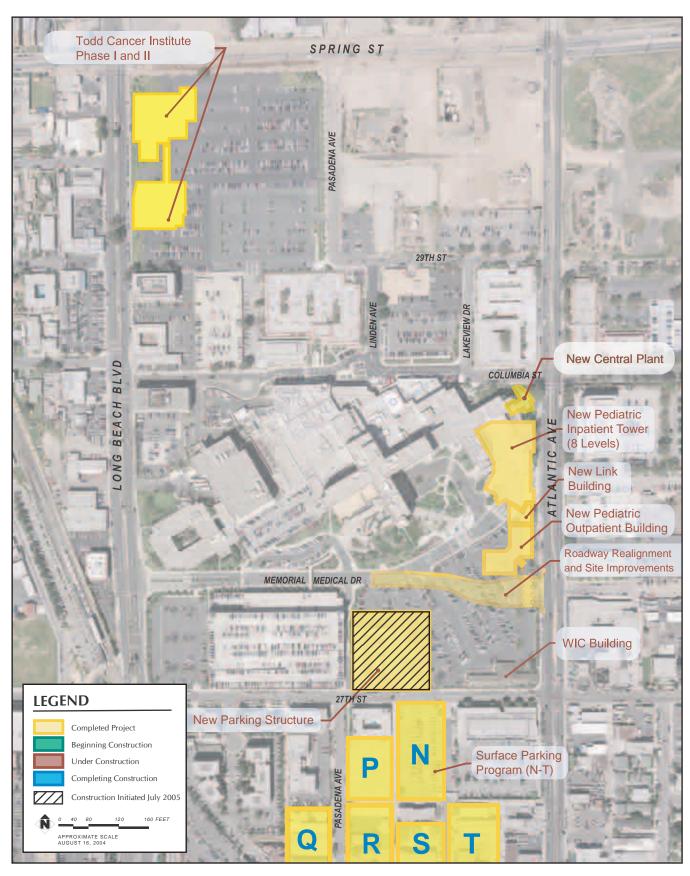
Page 10-4 Please insert the following the references into this section:

City of Long Beach Department of Public Works. 24 March 2005. March 24, 2005, Letter. Contact: Christine Andersen, City of Long Beach Department of Public Works. 333 West Ocean Boulevard, Long Beach, CA 90802.

Moffat & Nichol. 14 March 2005. March 14, 2005, Letter. Contact: Jim D. Faul, Moffat & Nichol, 250 West Wardlow Road, P.O. Box 7707, Long Beach, CA 90807.









SCS Engineers. May 2005. Removal Action Workplan. Prepared by: SCS Engineers, 3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806. Contact: Sapphos Environmental, Inc., 133 Martin Alley, Pasadena, CA 91105.

SCS Engineers. May 2005. *URBEMIS Air Quality Modeling Data*. Prepared by: SCS Engineers, 3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806. Contact: Sapphos Environmental, Inc., 133 Martin Alley, Pasadena, CA 91105.

Taylor Architects. 21 March 2005. March 21, 2005, Letter. Contact: Carrie Sheridan, Taylor Architects, 2220 University Drive, Newport Beach, CA 92660.

### 11.0 DISTRIBUTION LIST

Page 11-8 In Section 11.2, Other Parties, please insert the following individuals:

Californians for Justice Solomon Rivera Executive Director 755 Pine Avenue Long Beach, CA 90813

Environmental Defense Jerilyn López Mendoza Attorney/Policy Director, Environmental Justice Project Office One Park Plaza 3250 Wilshire Boulevard, Suite 1400 Los Angeles, CA 90010

Eric Schwimmer 1320 Carmelina Avenue, Apt. 5 Los Angeles, CA 90025 Tel: (323) 201-2295

R. Whitney Latimer Bancap Commerical Real Estate Services 192 Marina Drive Long Beach, CA 90803

Pat Bergendahl 2666 Elm Avenue Long Beach, CA 90806

Brian Olney 3232 Descanso Drive, Apt. 7 Los Angeles, CA 90026 Steve Askin 1700 East Ocean Boulevard, Apt. 32 Long Beach, CA 90802

Elizabeth Campbell 4803 Lorelei Avenue Long Beach, CA 90808

Gloria L. Manlutac 2403 Adriatic Avenue Long Beach, CA 90810

Liz Moore 100 Cerritos Avenue, Apt. 5 Long Beach, CA 90802

Milagros A. Reguindin 2745 Wetherly Avenue Long Beach, CA 90810

Rommel Porciuncula 2785 Chestnut Avenue Long Beach, CA 90806

Ellen Stutzman 219 Redondo Avenue, Apt. A Long Beach, CA 90803

Erlinda Uy 3151 Harding Street Long Beach, CA 90805

Victoria Williams 1405 East 10th Street Long Beach, CA 90813

Cara Zarnell 355 Freeman Avenue, Apt. 8 Long Beach, CA 90814

Page 11-10 Please remove the following individual from Section 11.4, Occupants of the Properties to be Demolished:

Ferdinand Langansan EIR 2641 Linden Avenue, Apartments #1-8 Long Beach, CA 90806 Page 11-12 In Section 11.5, Owners of the Properties within a 300-Foot Radius, please revise the entry for Mr. John Cabe with the following address:

John Cabe 10222 Central Avenue Garden Grove, CA 92843

Page 11-13 Please remove the following property addresses from Section 11.5, Owners of the Properties within a 300-Foot Radius:

DLC Enterprises 2650 Elm Avenue, Suite 215 Long Beach, CA 90806

Solveig Lance 3145 Heather Road Long Beach, CA 90808

Please revise the entry for Mr. Ferdinand Langansan with the following address:

Ferdinand Langansan EIR 5745 East 2nd Street Long Beach, CA 90806

Page 11-14 Please remove the following property addresses from Section 11.5, Owners of the Properties within a 300-Foot Radius:

Pauley Petroleum, Inc. P.O. Box 4274 Englewood, CO 80155